



Search Protein for

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1: CAB07811 sucrose transport protein [Vicia faba]

LOCUS CAB07811 523 aa PLN 09-APR-1997
DEFINITION sucrose transport protein [Vicia faba].
ACCESSION CAB07811
PID g1935019
VERSION CAB07811.1 GI:1935019
DBSOURCE embl locus VFZ93774, accession [Z93774.1](#)
KEYWORDS .
SOURCE fava bean.
ORGANISM *Vicia faba*
Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots;
Rosidae; eurosids I; Fabales; Fabaceae; Papilionoideae; Vicia.
REFERENCE 1 (residues 1 to 523)
AUTHORS Weber,H., Borisjuk,L., Heim,U., Sauer,N. and Wobus,U.
TITLE A role for sugar transporters during seed development: Molecular
characterization of a hexose and a sucrose carrier in faba bean
seeds
JOURNAL Plant Cell In press
REFERENCE 2 (residues 1 to 523)
AUTHORS Heim,U.
TITLE Direct Submission
JOURNAL Submitted (09-APR-1997) Heim U., Institut fuer Pflanzengenetik und
Kulturpflanzenforschung, Correnstr.3, Gatersleben, FRG
FEATURES Location/Qualifiers
source 1..523
/organism="Vicia faba"
/db_xref="taxon:3906"
/dev_stage="middle"
/tissue_type="cotyledon"
Protein 1..523
/function="sugar transport"
/product="sucrose transport protein"
CDS 1..523
/gene="sut"
/db_xref="SPTREMBL:004077"
/coded_by="Z93774.1:5..1576"
ORIGIN
1 meplsstkqi nnnnnlakps slhvetqple psplrkimvv asiaagvqfg walqlslltp
61 yvqllgihht waayiwlcgp isgmlvqppiv gyhsdrctsr fgrrrpfiiaa gsiavaiavf
121 ligyaadlgh sfgdsldqkv rpraigifvv gfwildvann mlqgpcrall gdlcagnqrk
181 trnanaffsf fmavgnvlgy aagaysklyh vfpftktkac nvycanlksc fflsialltv
241 latsaliyvk etaltpektv vttedggssg gmpcfgqlsg afkelkrpmw illlvvtclnw
301 iawfpfllfd tdwmgkevyg gtvggehayd mgvregalgl mlnsvvlgat slgvvdilarg
361 vggvkrlwgvi vnflliaiclg ltvltklaq hsrqyapgtg algdplppse gikagaltlf
421 svlgvpplait ysipfalasi fsstsgaggg lslgvlnlai vipqmfvsvl sgpwdalfgg
481 gnlpafvvga vaalasgils iillpspppd maksvsatgg gfh

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1: CAA76367 sucrose/H⁺ symporter [Daucus carota]

LOCUS CAA76367 501 aa PLN 13-JAN-1999
DEFINITION sucrose/H⁺ symporter [Daucus carota].
ACCESSION CAA76367
PID g2969887
VERSION CAA76367.1 GI:2969887
DBSOURCE embl locus DCSUT1A, accession Y16766.1
KEYWORDS .
SOURCE carrot.
ORGANISM Daucus carota Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta; Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots; Asteridae; euasterids II; Apiales; Apiaceae; Daucus.
REFERENCE 1 (residues 1 to 501)
AUTHORS Shakya,R. and Sturm,A.
TITLE Characterization of source- and sink-specific sucrose/H⁺ symporters from carrot
JOURNAL Plant Physiol. 118 (4), 1473-1480 (1998)
MEDLINE 99063785
REFERENCE 2 (residues 1 to 501)
AUTHORS Sturm,A.
TITLE Direct Submission
JOURNAL Submitted (02-MAR-1998) A. Sturm, Friedrich Miescher-Institut, Maulbeerstr. 66, CH-4058 Basel, SWITZERLAND
FEATURES Location/Qualifiers
source 1..501 /organism="Daucus carota"
/cultivar="Namtaise"
/db_xref="taxon:4039"
/dev_stage="12 week old plants"
/tissue_type="leaves"
Protein 1..501 /product="sucrose/H⁺ symporter"
CDS 1..501 /gene="SUT1a"
/db_xref="SPTREMBL:065929"
/coded_by="Y16766.1:114..1619"
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1 magpeadrnr hrggataapp prsrsvlrll lrvasvacgi qfgwalqlsl ltpyvqelgi
61 phawssiwl cgplsgllvq pivghmsdqc tskygrrrf ivaggtail aviiiahhsad
121 igggldtad nktmaivafv igfwildvan nmtqgpcral ladltgndar rtrvanayfs
181 lfmaignvlg yatgaysgwy kvfpfsltss ctincanlks afyidiifii ittyisisaa
241 kerprissqd gpqfsedgta qgshieeafl welfgtfrll pgsvvwvillv tclnwigwfp
301 filfdtdwmg reiyggepnq gqsysdgvrm gafglmmnsv vlgitsvlnme klcriwgsgf
361 mwglsnilmt icffamllit fiaknmddygt npppngivis alivfailgi plaitysvpy
421 alvstriesl glggqlsmgv lnlaiivvpqv ivslgsgpwd qlfggnspa fvvaalsafa
481 agliajair rprvdksrlh h
//



Protein

Search Protein for

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1: S43142 sucrose transport protein - castor bean

LOCUS S43142 533 aa PLN 26-MAY-2000
DEFINITION sucrose transport protein - castor bean.
ACCESSION S43142
PID g542020
VERSION S43142 GI:542020
DBSOURCE pir: locus S43142;
summary: #length 533 #molecular-weight 56359 #checksum 5859;
superfamily: common tobacco sucrose transport protein;
PIR dates: 13-Jan-1995 #sequence_revision 13-Jan-1995 #text_change
26-May-2000.
KEYWORDS .
SOURCE castor bean.
ORGANISM Ricinus communis
Eukaryota; Viridiplantae; Embryophyta; Tracheophyta; Spermatophyta;
Magnoliophyta; eudicotyledons; core eudicots; Rosidae; eurosids I;
Malpighiales; Euphorbiaceae; Ricinus.
REFERENCE 1 (residues 1 to 533)
AUTHORS Weig, A. and Komor, E.
TITLE Direct Submission
JOURNAL Submitted (??-MAR-1994) to the EMBL Data Library
FEATURES Location/Qualifiers
source 1..533
/organism="Ricinus communis"
/db_xref="taxon:3988"
Protein 1..533
/product="sucrose transport protein"
/note="sucrose carrier"
ORIGIN
1 mqsstskenk qppssqphpp plmvagaaep nssplrkvvm vasiaagiqf gwalqlsllt
61 pyvqllgiph twaafiwlcg pisgmlvgpi vgyhsdrcts rfgrrrpzia sgaafvaiav
121 fligyaadlg hlsqdsldks pktraiaifv vgfildvan nmlqgpcral ladlsgtsqk
181 ktrtanalfs ffmavgnvlg yaagaythly klpftktta cdvycanlks cffisivlll
241 sltvla lsyv kekpwspdqa vdnaeddtas qasssaqpmp ffgeilgafk nlkrpmwill
301 lvtclnwia wfpfllfdtdw mgrevyyggds sgsaeqlkly drgvragalg lmlnsvvlgf
361 tsglvevlar gvggvkrlwg ivnfvlavcl amtvltkqa estrrfatvs ggakvplppp
421 sgvkagalal favmgvpqai tysipfalas ifsntsgagg g1slgvlnls ivipqmivsv
481 aagpwdalfg ggnlpafvvg avaala sasgif altmlpsqop dmpsakalata afh
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Protein

Search Protein for Display Default View as HTML Save 1: BAA24071

sucrose transporter [Oryza sativa]

LOCUS BAA24071 537 aa PLN 26-DEC-1997
DEFINITION sucrose transporter [Oryza sativa].
ACCESSION BAA24071
PID g2723471
VERSION BAA24071.1 GI:2723471
DBSOURCE locus D87819 accession D87819.1
KEYWORDS .
SOURCE Oryza sativa.
ORGANISM Oryza sativa Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta; Spermatophyta; Magnoliophyta; Liliopsida; Poales; Poaceae; Ehrhartoideae; Oryzeae; Oryza.
REFERENCE 1 (residues 1 to 537)
AUTHORS Hirose,T.
TITLE Direct Submission
JOURNAL Submitted (09-SEP-1996) to the DDBJ/EMBL/GenBank databases. Tatsuro Hirose, Hokuriku National Agricultural Experiment Station, Lab. of Rice Metabolism; 1-2-1Inada, Joetsu, Niigata 943-01, Japan (E-mail:dragon@affrc.go.jp, Tel:0255-26-8300, Fax:0255-24-8578)
REFERENCE 2 (sites)
AUTHORS Hirose,T., Imaizumi,N., Scofield,G.N., Furbank,R.T. and Ohsugi,R.
TITLE cDNA cloning and tissue specific expression of a gene for sucrose transporter from rice (*Oryza sativa* L.)
JOURNAL Plant Cell Physiol. 38 (12), 1389-1396 (1997)
MEDLINE 98182940
FEATURES Location/Qualifiers
source 1..537
/organism="Oryza sativa"
/cultivar="Nipponbare"
/db_xref="taxon:4530"
/clone="pSTP1-1"
/tissue_type="green leaf"
Protein 1..537
/product="sucrose transporter"
CDS 1..537
/gene="OsSUT1"
/coded_by="D87819.1:67..1680"
ORIGIN
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61 gvqygwalql slltpyvqtl glshaltsfm wlcpiaigmv vqpcvglysd rctskwgrrr
121 pyiltgcvli clavvvigfs adigymgdt kedcsvyhgs rwhaaivyvl gfwlldfsnn
181 tvqgparalm adlsgrhgpg tansifcswm amgnilgyss gtnnnwhkwf pflktracce
241 acanlkgafl vavifslcl vitlifakev pfkgnaalpt ksnpaepeg tgplavlkf
301 rnlpmpsv livtgtlwls wfpfilydtd wmgreiyhgd pkgtdpqiea fnqgvragaf
361 glllnsivlg fssfliepmc rkvgprvvww tsnflvciam aatalisfws lkdfhgtvqk
421 aitadksika vclvlfaflg vplavlysvp favtaqlaat rgggqglctg vlnisivipq
481 vvialgagpw delfgkgnip afglasgfal igvgagifll pkiskrqfws vsmgggh

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